

PTO/SB/17 (12-04)

B/IR 2631

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | 10/044,109       |
| Filing Date          | October 19, 2001 |
| First Named Inventor | David Bass       |
| Examiner Name        | Phuong M. Phu    |
| Art Unit             | 2631             |
| Attorney Docket No.  | I-2-0174.1US     |

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 09-0435 Deposit Account Name: InterDigital Communications Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES**

| Fee Description   | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent            | 50       | 25                    |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200      | 100                   |
| Multiple dependent claims   | 360      | 180                   |

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|---------------------------|----------|---------------|
| -            | =            | x        | = 0.00        | -                         | =        | 0.00          |

HP = highest number of total claims paid for, if greater than 20

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|
| -             | =            | x        | = 0.00        |

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| -            | -            | =  | x        | = 0.00        |

(round up to a whole number)

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement

Fees Paid (\$)  
180.00**SUBMITTED BY**

|                   |                     |  |                        |
|-------------------|---------------------|--|------------------------|
| Signature         |                     | Registration No. (Attorney/Agent) 42,584 | Telephone 215-568-6400 |
| Name (Print/Type) | Jeffrey M. Glabicki | Date June 22, 2005                       |                        |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

|   |                        |                  |
|---|------------------------|------------------|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/044,109       |
|   | Filing Date            | October 19, 2001 |
|   | First Named Inventor   | David Bass       |
|   | Art Unit               | 2631             |
|   | Examiner Name          | Phuong M. Phu    |
| Total Number of Pages in This Submission  | Attorney Docket Number | I-2-0174.1US     |

**ENCLOSURES (Check all that apply)**

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                          | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance communication to Technology Center (TC)                    |
| <input checked="" type="checkbox"/> Fee Attached                                  | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences                 |
| <input type="checkbox"/> Amendment/Reply  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)             |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                                | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                                | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):                     |
| <input type="checkbox"/> Express Abandonment Request                              | <input type="checkbox"/> Request for Refund   | Form PTO-1449 w/ a copy of a Communication from the European Patent Office and three (3) references |
| <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                   | Remarks   |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application        |   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53      |   |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |                       |                 |
|-------------------------|-----------------------|-----------------|
| Firm or Individual name | Jeffrey M. Glabicki   | Reg. No. 42,584 |
| Signature               | Vope and Koepig, P.C. |                 |
| Date                    | June 22, 2005         |                 |

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

|                       |                     |      |               |
|-----------------------|---------------------|------|---------------|
| Typed or printed name | Jeffrey M. Glabicki |      |               |
| Signature             |                     | Date | June 22, 2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

David Bass

**Application No.:** 10/044,109

**Confirmation No.:** 8066

**Filed:** October 19, 2001

**For:** TURBO DECODER WITH CIRCULAR  
REDUNDANCY CODE SIGNATURE  
COMPARISON

**Group:** 2631

**Examiner:** Phuong M. Phu

**Our File:** I-2-0174.1US

**Date:** June 22, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the newly cited documents are enclosed. Copies of previously cited documents are not included.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each new item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual designated

06/24/2005 SSESHE1 00000035 090435 10044109

01 FC:1806 180.00 DA

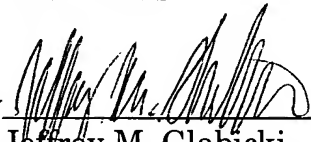
**Applicant:** David Bass  
**Application No.:** 10/044,109

in §1.56(c) more than three (3) months prior to the filing of the information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

David Bass

By   
Jeffrey M. Glabicki  
Registration No. 42,584  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

JMG/ks  
Enclosures (5)



|  |   |  |         |                                  |       |                          |                               |    |
|--|---|--|---------|----------------------------------|-------|--------------------------|-------------------------------|----|
| FORM PTO-1449<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary) |   |  |         | ATTY. DOCKET NO.<br>I-2-0174.1US |       | SERIAL NO.<br>10/044,109 |                               |    |
|  |   |  |         | APPLICANT<br>David Bass          |       |                          |                               |    |
|  |   |  |         | FILING DATE<br>October 19, 2001  |       | GROUP<br>2631            |                               |    |
| U.S. PATENT DOCUMENTS  |   |  |         |                                  |       |                          |                               |    |
| EXAMINER<br>INITIAL  |   | DOCUMENT NUMBER  | DATE    | NAME                             | CLASS | SUBCLASS                 | FILING DATE IF<br>APPROPRIATE |    |
|  |   | 6,518,892  | 02/2003 | Shen et al.                      |       |                          |                               |    |
|  |   | 6,526,531  | 02/2003 | Wang                             |       |                          |                               |    |
|  |   | 6,591,390  | 07/2003 | Yagyu                            |       |                          |                               |    |
|  |   | 6,675,342  | 01/2004 | Yagyu                            |       |                          |                               |    |
|  |   | 6,865,708  | 03/2005 | Wang                             |       |                          |                               |    |
|  |   | 2001/0028690   | 10/2001 | Ebel                             |       |                          |                               |    |
|  |   | 2001/0052104   | 12/2001 | Xu et al.                        |       |                          |                               |    |
|  |   | 2002/0010894   | 01/2002 | Wolf et al.                      |       |                          |                               |    |
|  |   |  |         |                                  |       |                          |                               |    |
|  |   |  |         |                                  |       |                          |                               |    |
|  |   |  |         |                                  |       |                          |                               |    |
| FOREIGN PATENT DOCUMENTS   |   |  |         |                                  |       |                          |                               |    |
|  |   | DOCUMENT NUMBER  | DATE    | COUNTRY                          | CLASS | SUBCLASS                 | TRANSLATION                   |    |
|  | * | 1 009 098 A  | 06/2000 | EP                               |       |                          | YES                           | NO |
|  | * | 1 017 176 A  | 07/2000 | EP                               |       |                          |                               |    |
|  |   | 01/06662 A   | 01/2001 | WO                               |       |                          |                               |    |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)   |   |  |         |                                  |       |                          |                               |    |
|  |   | Peterson et al., "Cyclic Codes for Error Detection", Proceedings of the Ire, January 1961, pp. 228-235.  |         |                                  |       |                          |                               |    |
|  | * | Shao et al., "Two Simple Stopping Criteria for Turbo Decoding", IEEE Transactions on Communications, Vol. 47, No. 8, August 1999, pp. 1117-1120. |         |                                  |       |                          |                               |    |
|  |   |  |         |                                  |       |                          |                               |    |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.